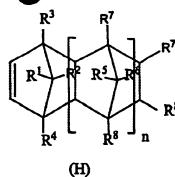
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wherein:

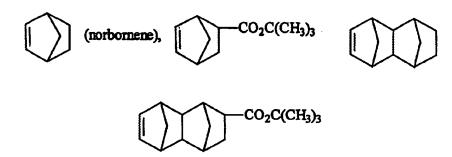
5

n is 0, 1 or 2;

a and b are independently 1, 2 or 3, except that a is not 1 when b is 2 or vice versa; and

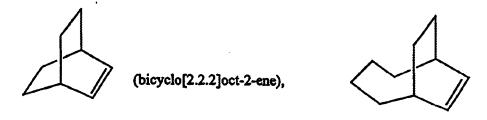
 $R^1$  to  $R^8$  and  $R^{11}$  to  $R^{14}$  are the same or different, and each represents a hydrogen atom, a halogen atom, a carboxyl group, a  $C_3$  to  $C_{14}$  secondary or tertiary alkyl carboxylate, a hydrocarbon group or a substituted hydrocarbon group.

16. The fluorine-containing copolymer of Claim 15, wherein the cyclic or polycyclic unsaturated compound is selected from the group consisting of:



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16. The fluorine-containing copolymer of Claim 15, wherein the cyclic or polycyclic unsaturated compound is selected from the group consisting of:



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